

FIGURE 1A

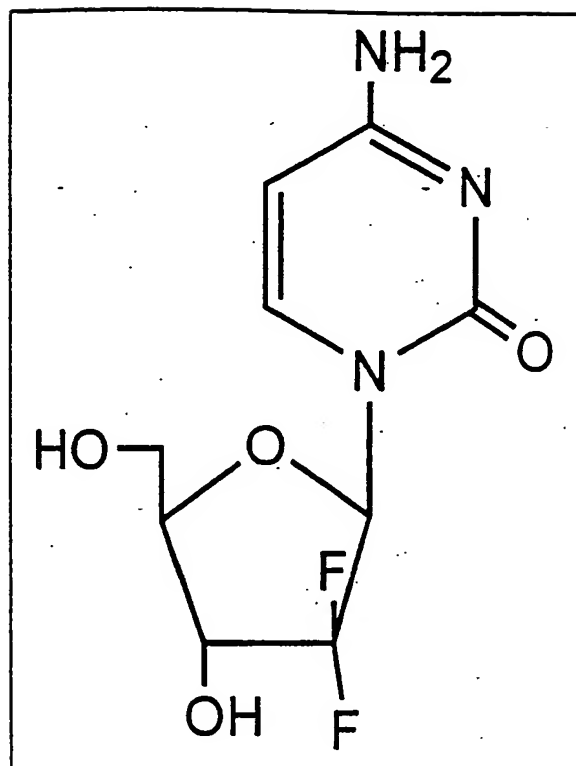


FIGURE 1B

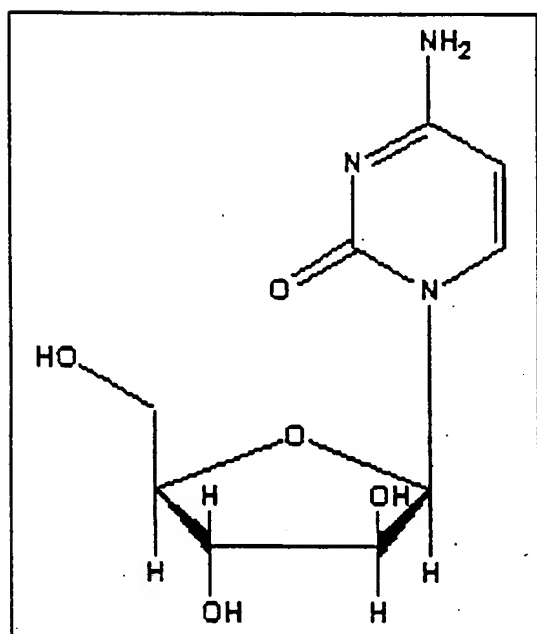


FIGURE 1C

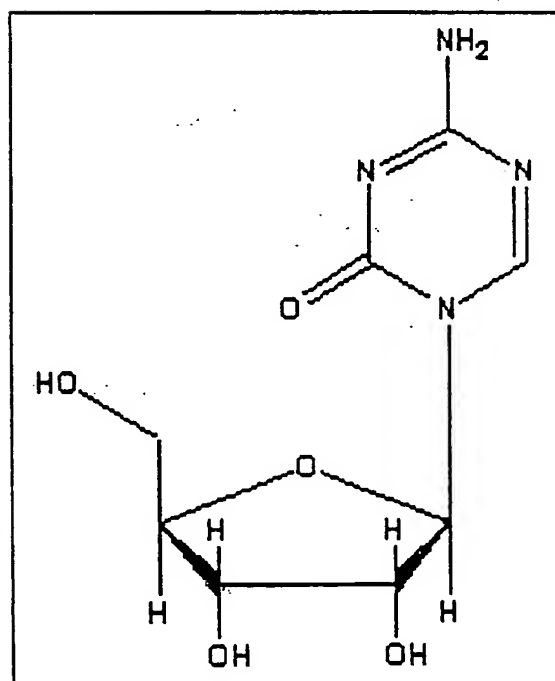


FIGURE 1D

Synthesis of Lipid Backbone

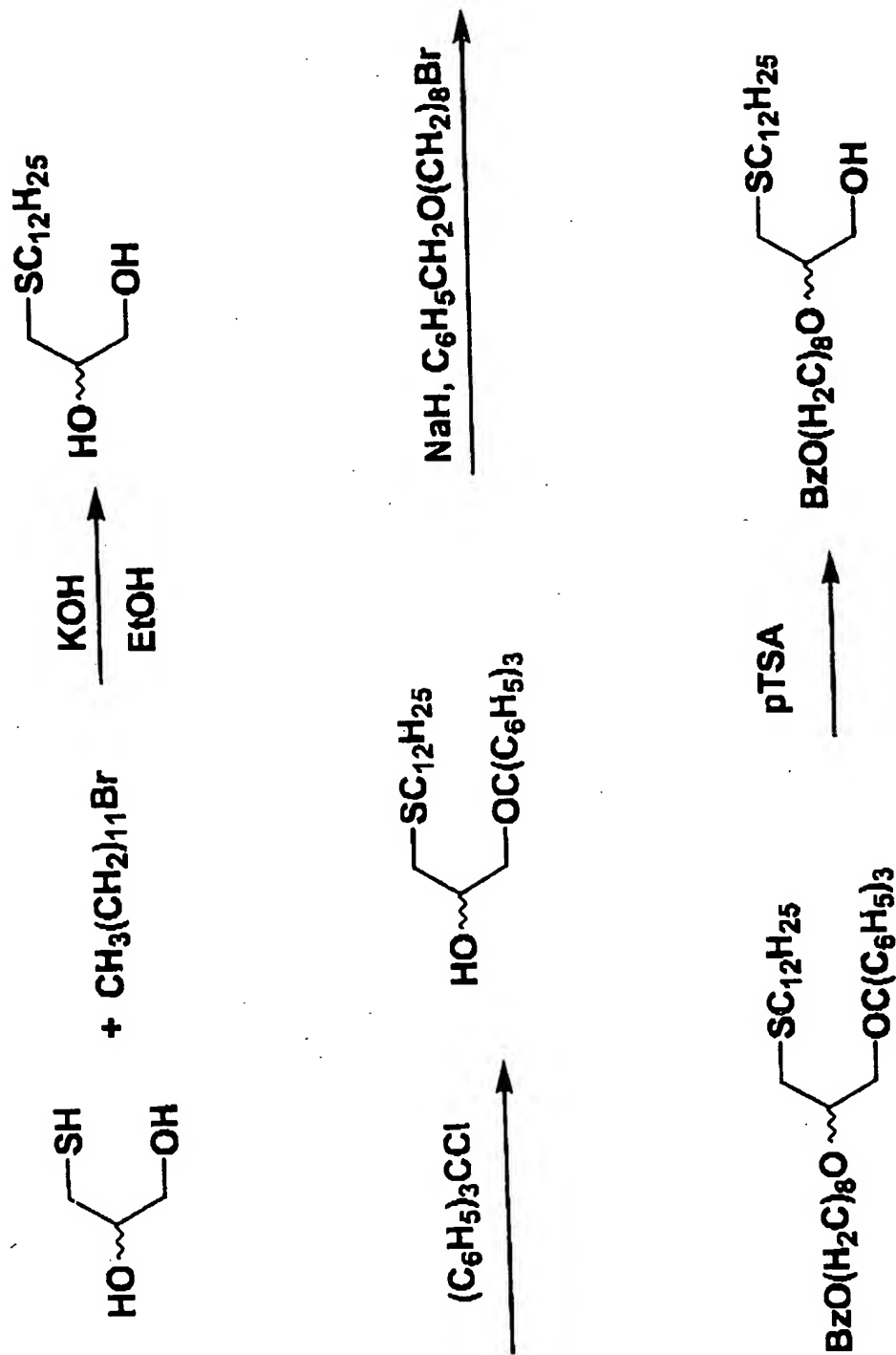
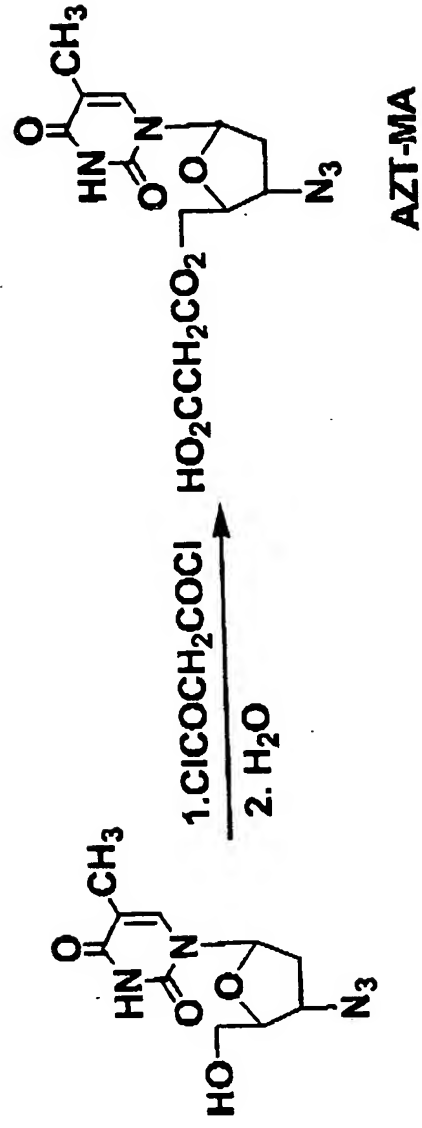


FIGURE 2

Synthesis of AZT-Malonic Acid (AZT-MA)



Substituted malonic acid chlorides (ClCOCH(R)COCl) could also be used in the above reaction;
 $\text{R} = \text{CH}_3, \text{CH}_2\text{CH}_3, \text{C}_6\text{H}_5$

FIGURE 3

Synthesis of AZT-Phosphocholine Conjugate

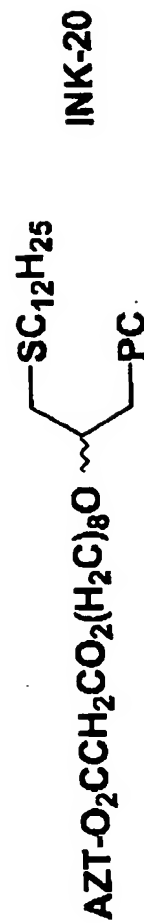
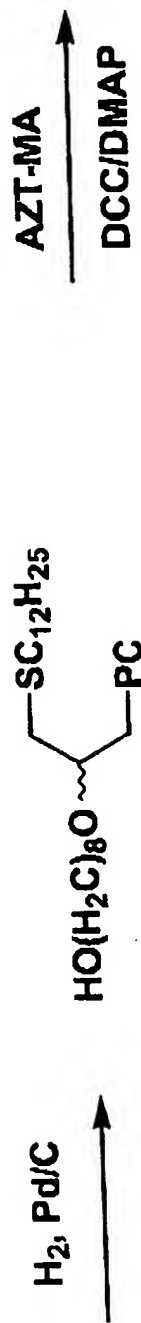


FIGURE 4

[¹⁴C]-BM 21.1290 concentrations in plasma and lymphoid tissues of female C57Bl/6 mice

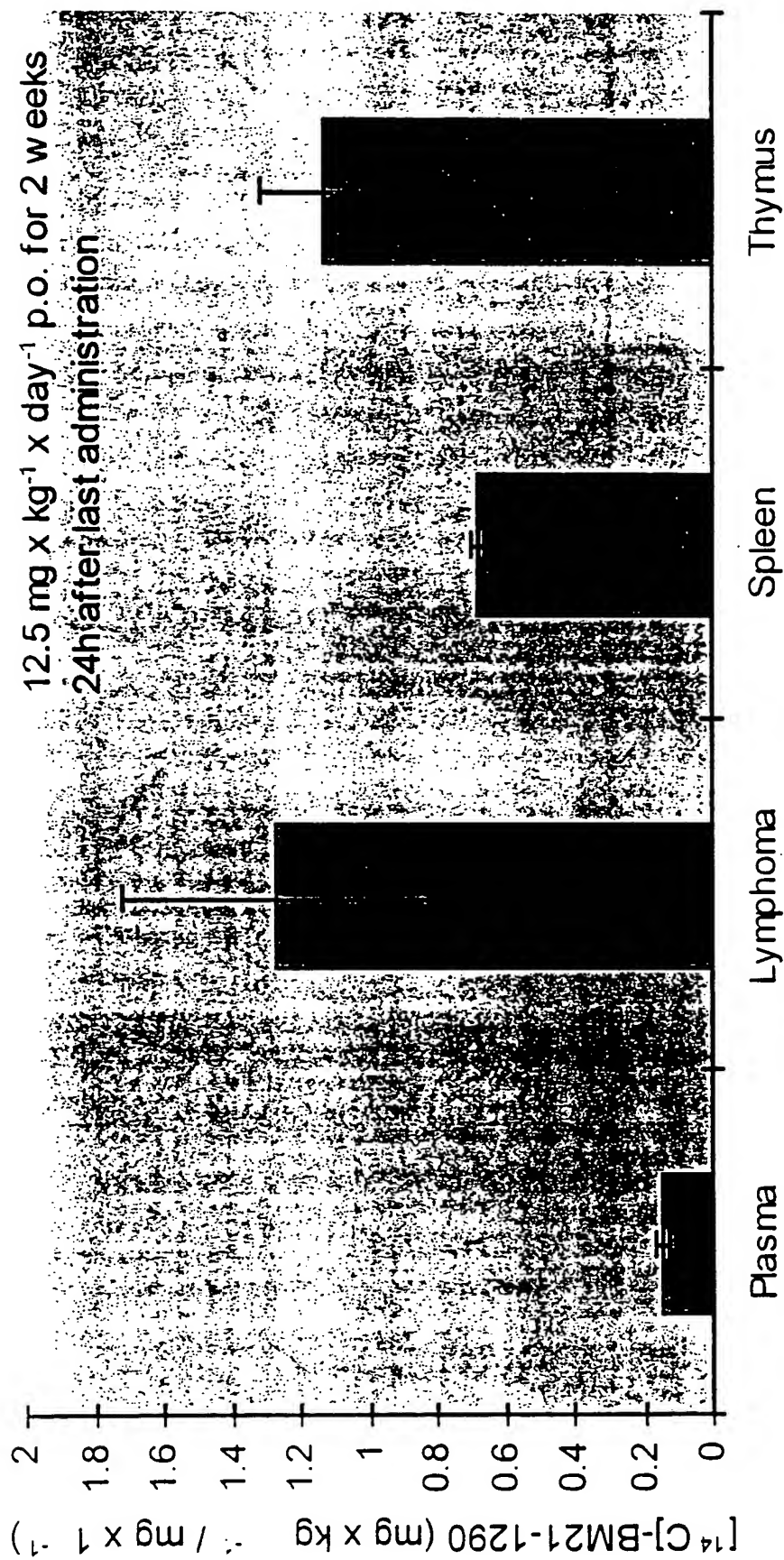


FIGURE 5

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Plasma and CNS concentrations of [14 C]-BM 21.1290 in
female C57Bl/6 mice

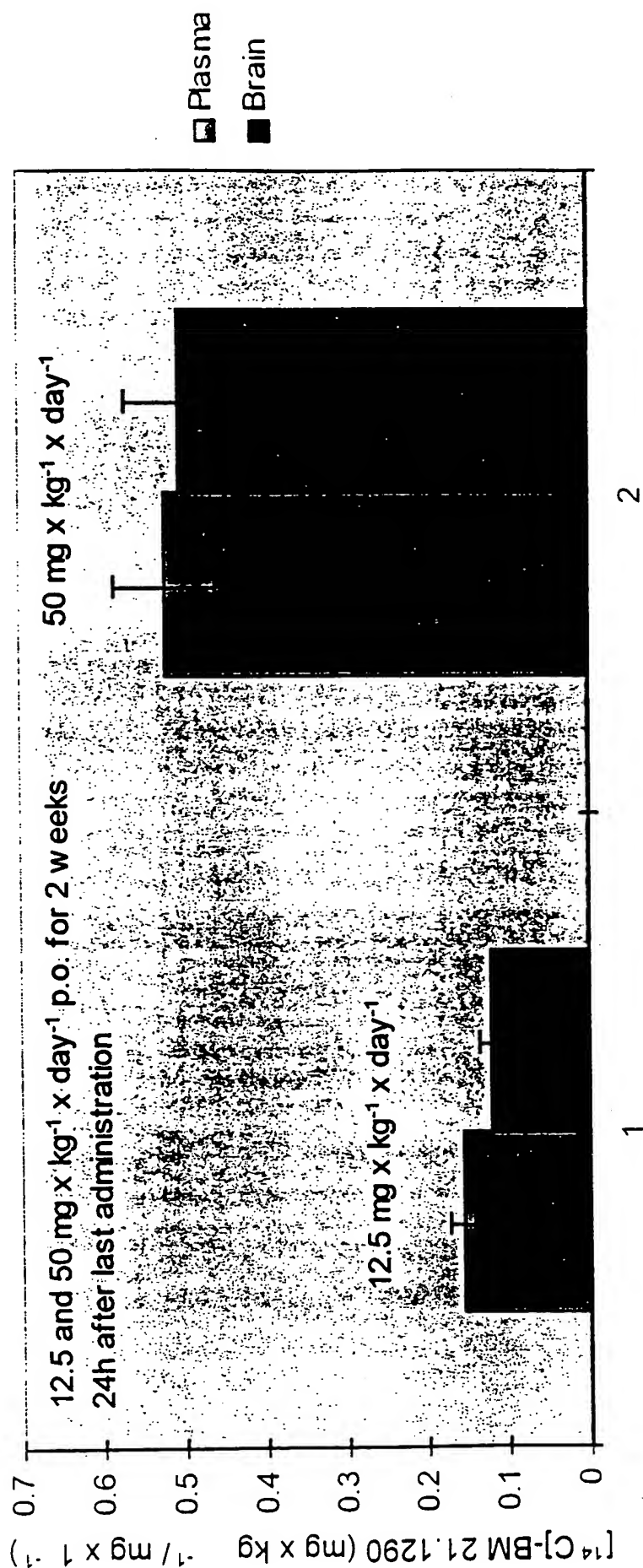


FIGURE 6

BEST AVAILABLE COPY

lipid & ara-C coupled through phosphate ester

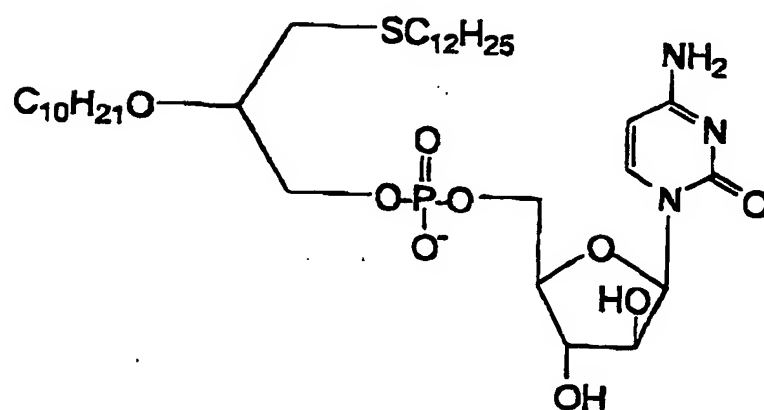


FIGURE 7A

lipid & gemcitabine coupled through phosphate ester

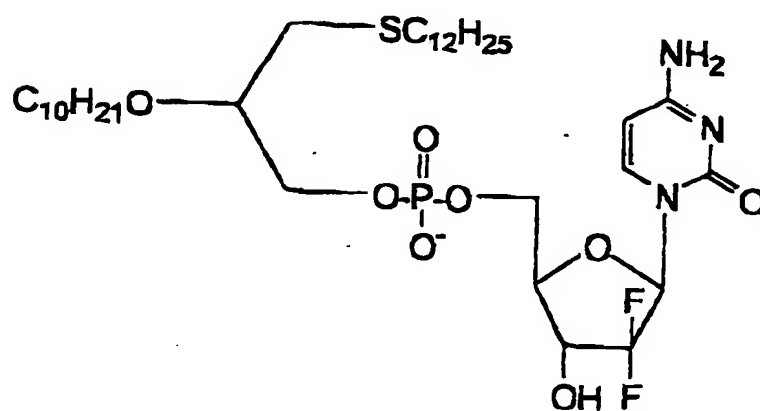


FIGURE 7B

lipid & ara-C coupled through phosphonate ester

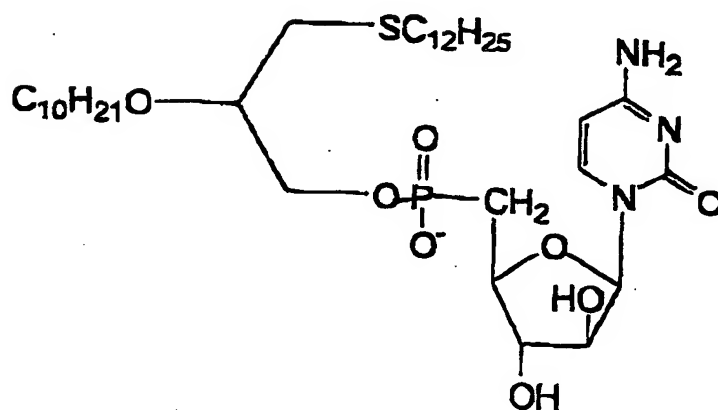


FIGURE 8A

lipid & gemcitabine coupled through phosphonate ester

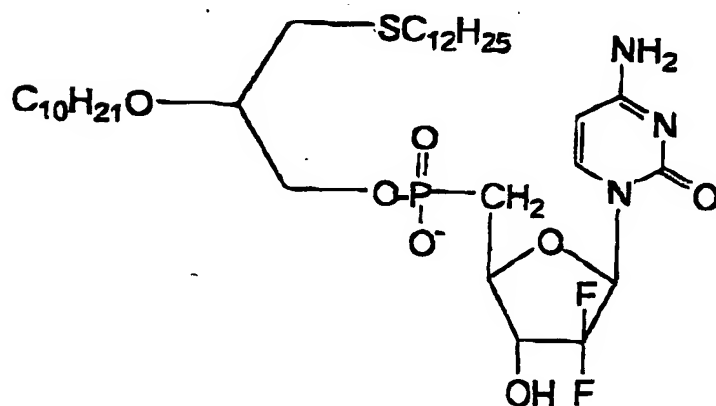


FIGURE 8B

lipid coupled to methotrexate through an ester

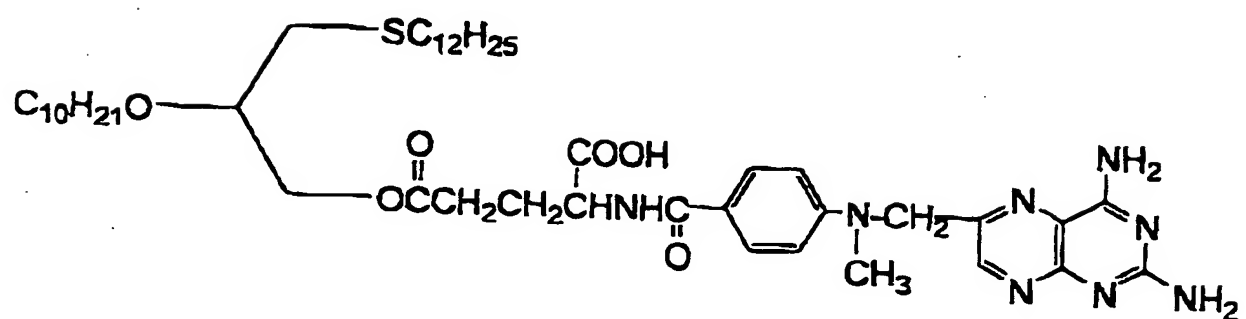


FIGURE 9